8th Grade Science

Physics in Action 5

Run & Jump

Goals…

* **Understand the definition of acceleration.**
* **Understand meters per second per second as unit of acceleration.**
* **Distinguish between acceleration and deceleration.**
* **Learn Newton’s 3rd Law**
* Newton’s 3rd Law of Motion – For every applied force, there is an Click here to enter text. and Click here to enter text. force.
* Forces come in Click here to enter text.
* The force of object Click here to enter text. on object Click here to enter text. Is Click here to enter text. and Click here to enter text. to the force of object B on object A.

Activity 6

The Mu of the Shoe

Goals…

* **Understand and apply the definition of the coefficient of sliding friction, *μ.***
* **Measure the coefficient of sliding friction between the soles of athletic shoes and a variety of floor surface materials.**
* **Calculate the effects of frictional forces on the motion of objects.**
* μ– coefficient of sliding friction or the
* Force required to slide an object on a \_\_\_\_\_\_\_\_

Click here to enter text.force exerted by the surface

* This value has Click here to enter text. unit since you are dividing force/force, usually in decimal form